

## STAR Thermoplastic Alloys & Rubbers StarCLEAR CLR-1045 TPE

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

### Material Notes:

**Product Description:** StarCLEAR CLR-1045 is an easy processing TPE designed for injection molding. Soft and ultra clear TPEs specifically targeted to medical, consumer and sporting goods market. Features:Soft TouchRubbery FeelExcellent ColorabilityExcellent

**ClarityProcessing Method:** Injection MoldingInformation Provided by STAR Thermoplastic Elastomers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_STAR-Thermoplastic-Alloys-Rubbers-StarCLEAR-CLR-1045-TPE.php](http://www.lookpolymers.com/polymer_STAR-Thermoplastic-Alloys-Rubbers-StarCLEAR-CLR-1045-TPE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.890 g/cc	0.890 g/cc	ASTM D792
Viscosity	15000 cP	15000 cP	ASTM D3835
	@Shear Rate 10994 1/s, Temperature 210 °C	@Shear Rate 10994 1/s, Temperature 410 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	ASTM D2240
	@Time 10.0 sec	@Time 0.00278 hour	
Tensile Strength at Break	4.61 MPa	668 psi	Die C; ASTM D414
	@Time 7200 sec	@Time 2.00 hour	
Elongation at Break	738 %	738 %	Die C; ASTM D412
	@Time 7200 sec	@Time 2.00 hour	
300% Modulus	0.00210 GPa	0.305 ksi	Die C; ASTM D412
	@Time 7200 sec	@Time 2.00 hour	
Tear Strength	21.0 kN/m	120 pli	ASTM D624

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	Clear' but thickness not quantified

Descriptive Properties	Value	Comments
Color	Clear	

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China